

ABSTRACT

A device connects a first member and a second member, which construct a small-sized electronics device, with each other to open and close, and is composed of a shaft, a cam member attached to the shaft, having a 180 degrees symmetric cam portion composed of a convex portion and a concave portion on one end phase thereof, and arrested its rotation by one connecting portion of either the first member or the second member, a slider cam attached slidably to the shaft facing to the cam member, having a 180 degrees symmetric cam portion composed of a convex portion and a concave portion on a side thereof facing the cam portion of the cam member, and arrested its rotation by the other connecting portion of either the first member or the second member, and a compression spring wound around the shaft to push the slider cam toward the cam member side, and wherein each cam portion provided on an opposed side of the cam member and the slider cam separate by the position of axial core side or the outside to provide each 180 degrees symmetric cam at a different position, at least a pair of 180 degrees symmetric cams on axial core side and the outside, thereby the mentioned first member and the second member have the closing function from a predefined angle and the automatic opening function, and as well, the opening angle of the mentioned first member and the second member can be set at more than 160 degrees.